

ABSTRACT

A flow controller assembly for use with a hydraulically-actuated, electrically-controlled fuel injector, includes a flow controller fluidly disposable intermediate an injector control valve assembly and an injector intensifier assembly for controlling flow of actuating fluid to and from the intensifier assembly to effect rate shaping of an injectable quantity of fuel and to effect a reduction of noise generated by the stopping of return motion of an intensifier piston. A fuel injector and a method of controlling an intensifier piston are also included.